Notice of Allowability	Application No.	Applicant(s)	
	10/038,165	BURTON ET AL.	
	Examiner	Art Unit	
	Jacob F. Betit	2164	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the amendment dated 5-July-2006*.

2. ☒ The allowed claim(s) is/are *1-45*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *20060718*.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

SAM RIMELL
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Rabindranath Dutta on 17 July 2006 as discussed in the attached interview summary.

An article of manufacture including code for accessing a

file in a source code management system from a source code management system client to a

server, wherein the code is capable of causing operations, the operations comprising:

sending, from the source code management system client, a first request for checking-out the file to the server;

receiving, at the source code management system client, a storage location address containing the file in response to the first request, wherein the storage location address containing the file is located more proximate to the source code management system client than

to the server, wherein metadata corresponding to the file is kept more proximate to the server

than to the source code management system client, wherein the storage location has been determined from the metadata by the server based on a history of request patterns from a plurality of source code management system clients, wherein the metadata

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addresses corresponding to tiles, "td wherein the metadata includes indications of the number

of accesses of the tiles by the plurality of source code management system clients, and wherein

the history of request patterns includes the indications of the number of accesses of the files by

the plurality of source code management system clients;

sending, from the source code management system client, a second request to the storage location address; and

receiving, at the source code management system client, an access to the file from the storage location address, wherein the sever updates the Inetadata to indicate that the tile is checked-out and locked after providing the access.

The application has been amended as follows:

Amend Claim 1 as follows:

Claim 1 (Currently Amended) A method for controlling and providing access to files maintained at remote storage locations to a source code management system client over a network, the method comprising:

receiving a request, at a server, for checking-out a file corresponding to a filename, from the source code management system client over the network;

determining from metadata, by the server, a remote storage location address associated with the filename where the requested file is located, wherein the metadata is defined in a mapping table that indicates remote storage location addresses corresponding to the files, wherein the metadata includes indications of the number of accesses of the files by a plurality of source code management system clients, wherein the metadata is stored more proximate to the server than to the source code management system client, wherein the remote storage location address is based on a history of request patterns from the plurality of source code management system clients, and wherein the history of request patterns includes the indications of the number of accesses of the files by the plurality of source code management system clients;

sending, by the server, the remote storage location address to the source code management system client, wherein the remote storage location address where the requested file is located is more proximate to the source code management system client than to the server; and

updating, by the server, the metadata to indicate that the requested file is checked-out and locked.

Amend Claim 10 as follows:

Claim 10 (Currently Amended) A method for accessing a file in a source code management system, the method comprising:

sending, from a source code management system client, a first request for checking-out the file to a server;

receiving, at the source code management system client, a storage location address containing the file in response to the first request, wherein the storage location address

containing the file is located more proximate to the source code management system client than to the server, wherein metadata corresponding to the file is kept more proximate to the server than to the source code management system client, wherein the storage location has been determined from the metadata by the server based on a history of request patterns from a plurality of source code management system clients, wherein the metadata is defined in a mapping table that indicates storage location addresses corresponding to files, wherein the metadata includes indications of the number of accesses of the files by the plurality of source code management system clients, and wherein the history of request patterns includes the indications of the number of accesses of the files by the plurality of source code management system clients;

sending, from the source code management system client, a second request to the storage location address; and

receiving, at the source code management system client, an access to the file from the storage location address, wherein the server updates the metadata to indicate that the file is checked-out and locked after providing the access.

Amend Claim 14 as follows:

Claim 14 (Currently Amended) A system for controlling and providing access to files to source code management system clients over a network, wherein remote storage locations are accessible over the network, the system comprising:

means for receiving a request for checking-out a file corresponding to a filename, from a source code management system client over the network;

means for determining from metadata a storage location address of a remote storage location associated with the filename where the requested file is located, wherein the metadata is defined in a mapping table that indicates remote storage location addresses corresponding to the files, wherein the metadata includes indications of the number of accesses of the files by a plurality of source code management system clients, wherein the metadata and is stored more proximate to the system than to the source code management system client, and wherein the remote storage location address is based on a history of request patterns from the plurality of source code management system clients, wherein the history of request patterns includes the indications of the number of accesses of the files by the plurality of source code management system clients;

means for sending the remote storage location address to the source code management system client, wherein the remote storage location address where the requested file is located is more proximate to the source code management system client than to the system; and

means for updating the metadata to indicate that the requested file is checked-out and locked.

Amend Claim 23 as follows:

Claim 23 (Currently Amended) A system for accessing a file in a source code management system, wherein the system is in communication with a server, the system comprising:

means for sending a first request for checking-out the file to the server;

means for receiving a storage location address containing the file in response to the first request, wherein the storage location address containing the file is located more proximate to the system than to the server, wherein metadata corresponding to the file is kept more proximate to the server than to the system, wherein the storage location has been determined from the metadata by the server based on a history of request patterns from a plurality of source code management system clients, wherein the metadata is defined in a mapping table that indicates storage location addresses corresponding to files wherein the metadata includes indications of the number of accesses of the files by the plurality of source code management system clients, and wherein the history of request patterns includes the indications of the number of accesses of the files by the plurality of source code management system clients;

means for sending a second request to the storage location address; and

means for receiving an access to the file from the storage location address, wherein the server updates the metadata to indicate that the file is checked-out and locked after providing the access.

Amend Claim 27 as follows:

Claim 27 (Currently Amended) An article of manufacture comprising a computer readable medium including code for controlling and providing access to files at storage locations on a network to a source code management system client coupled to a server over the network, wherein the code is capable of causing operations, the operations comprising:

receiving a request, at the server, for checking-out a file corresponding to a filename from the source code management system client over the network;

determining from metadata, by the server, a remote storage location address associated with the filename where the requested file is located, wherein the metadata is defined in a mapping table that indicates remote storage location addresses corresponding to the files, wherein the metadata includes indications of the number of accesses of the files by a plurality of source code management system clients, wherein the metadata is stored more proximate to the server than to the source code management system client, wherein the remote storage location address is based on a history of request patterns from the plurality of source code management system clients, and wherein the history of request patterns includes the indications of the number of accesses of the files by the plurality of source code management system clients;

sending, by the server, the remote storage location address to the source code management system client, wherein the remote storage location address where the requested file is located is more proximate to the source code management system client than to the server; and

updating, by the server, the metadata to indicate that the requested file is checked-out and locked.

Amend Claim 36 as follows:

Claim 36 (Currently Amended) An article of manufacture comprising a computer readable medium including code for accessing a file in a source code management system from a source code management system client to a server, wherein the code is capable of causing operations, the operations comprising:

sending, from the source code management system client, a first request for checking-out the file to the server;

receiving, at the source code management system client, a storage location address containing the file in response to the first request, wherein the storage location address containing the file is located more proximate to the source code management system client than to the server, wherein metadata corresponding to the file is kept more proximate to the server than to the source code management system client, wherein the storage location has been determined from the metadata by the server based on a history of request patterns from a plurality of source code management system clients, wherein the metadata is defined in a mapping table that indicates storage location addresses corresponding to files, wherein the metadata includes indications of the number of accesses of the files by the plurality of source code management system clients, and wherein the history of request patterns includes the indications of the number of accesses of the files by the plurality of source code management system clients;

sending, from the source code management system client, a second request to the storage location address; and

receiving, at the source code management system client, an access to the file from the storage location address, wherein the sever updates the metadata to indicate that the file is checked-out and locked after providing the access.

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacob F. Betit whose telephone number is (571) 272-4075. The examiner can normally be reached on Monday through Friday 9:30 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on (571) 272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

jfb
18 Jul 2006

SAM RIMELL
PRIMARY EXAMINER